ABSTRACT

Yuli Noviana. (2021). ***Analysis of mathematical problem solving abilities and self-confidence of high school students through the SAVI learning model (Somatic, Auditory, Visual, Intellectual).***

Mathematica problem solving ability and self-confidence are important aspects that every high school student must have in learning mathematics. One of the efforts to develop these abilities is by applying the SAVI learning model (Somatic, Auditory, Visual, Intellectual). The aims of this research are: (1) to examine the mathematical problrm solving ability of high school students through the SAVI learning model; (2) assessing the self-confidence of high school students through the SAVI learning model (Somatic, Auditory, Visual, Intellectual); (3) examine the relationship of self-confidence to the mathematical problem-solving ability of high school students. The research method used is qualitative research, namely library research. The data analysis technique uses inductive, interpretative, and historical techniques. The data sources used in this study are secondary sources related to mathematical problem-solving abilities, self-confidence, and the SAVI learning model (Somatic, Auditory, Visual, Intellectual). The results showed that: (1) students' mathematical problem-solving abilities could develop through the SAVI learning model; (2) self-confidence can develop the SAVI learning model; (3) There is a significant positive correlation between self-confidence and students' mathematical problem-solving abilities.

Keywords: *Mathematical problem solving, Self-confidence, Learning models SAVI*